**Identify Physical and Chemical Properties**

**Lab Prep**

Equipment and Material

1. Identify the safety equipment you will need to use in this lab and explain its purpose.

|  |  |
| --- | --- |
| Safety Equipment | Purpose |
|  |  |
|  |  |

1. Use the MSDS sheets and explain some safety issues that you must consider when doing this lab.

|  |  |
| --- | --- |
| Chemical | Safety |
|  |  |
|  |  |
|  |  |

3. List a physical and chemical property for each of the chemicals that you will be using. (Refer to the MSDS)

|  |  |  |
| --- | --- | --- |
| Chemical | Physical Property | Chemical Property |
| Iodine |  |  |
| Baking Soda (sodium bicarbonate) |  |  |
| Acetic Acid |  |  |

**Making Predictions:**

4. Look at the list of chemicals in Part A, #3. Using your previous knowledge, predict what you will observe when you will do the lab.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Chemical | Colour | Lustre | Hardness | Brittleness |
| Aluminum foil |  |  |  |  |
| Copper wire |  |  |  |  |
| Rock salt |  |  |  |  |
| Antacid Tablet |  |  |  |  |
| Candle wax |  |  |  |  |

**Part B: Solubility**

5. Read the definition of solubility on pg. 178. Record your understanding of this word here:

**Solubility:**

Explain why solubility is a physical property and NOT a chemical property.

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